

SHCHELKUNOV, S.I. (Leningrad, ul. prof. Popova., d. 41/5, kv. 63)

Evolution of cellular structure in animal organisms. Arkh. anat.
gist. i embr. 34 no.1:3-15 Ja-F '57 (MLRA 10:5)

(CELLS

evolution of cell structure in animal organisms, review)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548810018-5

SHCHELKUNOV, S.I.

Answer to reviewers. Arkh.anat.gist. i embr. 34 no.5:117-124
S-0 '57. (MIRA 11:1)
(HISTOLOGY)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548810018-5"

SHCHELKUNOV, Serafim Ivanovich; MIKHAYLOV, V.P., red.; RULEVA, M.S.,
tekhn.red.

[Cellular theory and theories on tissues] Kletotchnaya teoriia
i uchenie o tkaniakh. Leningrad, Gos.izd-vo med.lit-ry Medgiz,
Leningr. otd-nie, 1958. 223 p. (MIRA 12:12)
(CELLS) (TISSUES)

SHCHELKUNOV, S.I.

Asynchronous development of provisional and definitive structures as a principle of histogenesis [with summary in English]. Trudy LSGMI 42:5-10 '58 (MIRA 11:12)

1. Zaveduyushchiy kafedroy gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta. Chlen-korrespondent AMN SSSR.

(EMBRYOLOGY,

histogenesis, asynchronous development of provisional & definite structures (Rus))

SHCHELKUNOV, S.I., prof.

Polymorphism of the coelomic lining in amphibian; as a manifestation of metorisits [with summary in English]. Trudy IGGMI 42:185-194 '58
(MIRA 11:12)

1. Zaveduyushchiy kafedroy gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta. Chlen-korrespondent AMN SSSR.

(EMBRYOLOGY,

polymorphism of lining of celoma in amphibians as manifest of methorisits (Rus))

SHCHELKUNOV, S.I. (Leningrad) ul. prof. Popova, 41, kv. 63)

A.A.Zavarzin's concept of tissue evolution and some methods in
its further development. Arkh.anat.gist.i embr. 39 no.7:3-12 J1
'60. (MIRA 14:5)

(TISSUES)

(EVOLUTION)

SHCHELKUNOV, Serafim Ivanovich; GRIGOR'YEV, Nikolay Ivanovich;
SUCLITSKIY, A.Ye., red.; RULEVA, M.S., tekhn.red.

[Methodological manual for practical studies on histology]
Metodicheskoe posobie k prakticheskim zaniatiiam po gistolologii.
Leningrad, Gos.izd-vo med.lit-ry Medgiz, Leningr.otd-nie, 1961.
(MIRA 14:4)
129 p.

(HISTOLOGY--LABORATORY MANUALS)

SHCHELKUNOV, S. I.

"Reacuvite et plasticite he la paroi vasculaire"

Report submitted for the fourth Intl. Congress of Angiology
Prague, Czech, 3-9 Sep 61

SHCHELKUNOV, S.I. (Leningrad, 137, 81. prof. Popova, 41, kv. 63)

Reactivity and plasticity of the vascular wall and the endocardium.
Arkh.anat.gist.i embr. 40 no.4:80-86 Ap '61. (MIRA 14:5)

1. Kafedra gistologii i embriologii (zav. - prof. S.I.Shchelkunov)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(BLOOD VESSELS) (HEART)

ZHDANOV, D.A., red.; ZAZYMEN, N.I., red.; KAS'YANENKO, V.G., red.:
NIKHAYLOV, V.P., red.; BINEL'NIKOV, I.D. prof., otv.red.; TORSKAYA, I.V.,
red.; SHCHELKUNOV, S.I., red.

[Transactions of the All-Union Congress of Anatomists, Histologists
and Embryologists] Trudy Vsesoyuznogo s"ezda anatomov, gistolologov i
embriologov. Khar'kov, M-vo zdravookhranenia SSSR. Vol.1. 1961.
943 p. (MIRA 15:10)

1. Vsesoyuznyy s"ezd anatomov, gistolologov i embriologov. 6th, Kiev,
1958. 2. Predsedatel' Organizatsionnogo komiteta s"ezda anatomov,
gistolologov i embriologov, Moskva (for Zhdanov). 3. Predsedatel'
Ukrainskogo nauchnogo obshchestva anatomov, gistolologov i embriologov,
Kiev (for Kas'yantenko)
(ANATOMY--CONGRESSES) (HISTOLOGY--CONGRESSES)

SHCHELKUNOV, S.I. (Leningrad, ul. prof. Popova, 41/5, kv.63)

Some problems in evolutionary histology (on the 75th birthday
of A.A. Zavarzin). Arkh. anat. gist. i embr. 41 no.12:3-17
(MIRA 15:3)
D '61.

1. Chair of Histology and Embryology, Leningrad S.M. Kirov
Military medical Academy.
(HISTOLOGY) (EVOLUTION)
(ZAVARZIN, ALEXEI ALEXEYEVICH, 1886-1945)

SHCHELKUNOV, S.I. (Leningrad, ul. prof. Popova, 41/5, kv.63)

Structure of the nucleus in the interkinetic period of cell life. Arkh. anat., gist. i embr. 42 no.6:44-63 Je '62.

(MIRA 15:6)

I. Kafedra gistologii ier...egii (...v. - chlen-korrespondent AMN SSSR prof. S.I. Shchelkunov) Voyennno-meditsinskoy ordena Leningra akademii imeni S.M. Kirova.
(CELL NUCLEI)

SHCHELKUNOV, S.I. (Leningrad) (Leningrad, ul.prof.Popova, 41/5, kv.63)

Some characteristics of the cytogenesis and histogenesis of
malignant structures. Arkh.anat., gist i embr. 43 no.7:3-26 J1
'62. (MIRA 15:9)

(CARCINOGENESIS)

ZHDA'OV, Dmitriy Arkad'yevich, doktor med. nauk, prof., red.;
ZAZYBIN, Nikolay Iv'novich, zasl. deyatel' nauki, doktor
med. nauk, prof., red.; KAS'YANENKO, Vladimir Grigor'yevich,
doktor nauk, prof., akademik, red.; MIKHAYLOV, Vladimir
Pavlovich, doktor biol. nauk, prof., red.; SINEL'NIKOV,
Rafail Davidovich, doktor med.nauk, prof., red.; TORSKAYA,
Iya Vladimirovna, kand. biol. nauk, st. nauchn. sotr., red.;
SHCHELKUNOV, Serafim Ivanovich, doktor nauk, prof., red.

[Transactions of the Sixth All-Union Congress of Anatomists,
Histologists and Embryologists] Trudy Vsesoyuznogo s"ezda
anatomov, histologov i embriologov. Khar'kov, M-vo zdravo-
okhraneniia SSSR. Vol.2. 19.1. 791 p. (MIRA 16:12)

1. Vsesoyuznyj s"ezd anatomov, histologov i embriologov.
6th, Kiev, 1958. 2. Chlen-korrespondent AN SSSR (for Shchelkunov,
Zhdanov, Zazybin). 3. Akademika nauk Ukr.SSR i Institut zo-
ologii AN UkrSSR (for Kas'yanenko).

(Continued on next card)

ZHDANOV, Dmitriy Arkad'yevich --- (continued). Card 2.

4. Institut eksperimental'noy meditsiny AMN SSSR (for
Nikhaylov). 5. Kafedra normativnoy anatomii Khar'kovskogo
meditsinskogo instituta (for Sinel'nikov). 6. Institut
fiziologii im. A.A.Bogomol'tsa AN Ukr.SSR (for Torskaya).
(ANATOMY--CONGRESSES)
(HISTOLOGY--CONGRESSES)
(PHYSIOLOGY--CONGRESSES)

SHCHERBINKOV, S.I. (Leningrad, ul. prof. Zopova 41/5, kv.63)

Some problems of somatic cytogenetics. Lek. na anat., gist. i embr. 44 no.5:3-16 May 1963. (MIA 1716)

I. Kafedra gistologii i embriologii (nach. - otdelen-korrespondent A.D. Lash prof. S.I. Scherbinkov) Vayennno-meditsinskoy ordena Leningradskogo in-ta im. A.I. Kirova, Leningrad.

SCHCHELKOV, S. I.; VASIL'IEVA, V. A.; GRIEBERG, T. F.

"Oc osobennostyakh embriogeneza cheloveka."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences
MOSCOW, 3-17 JULY 1954.

SHCHELKUNOV, S.I. (Leningrad, vi. prof. Popova, 41/5, kv.63)

Evolution of somatic cytoplasma. Akad. anat., gist. i fiz. 47
no.8:3-17 Ag '64. (MIRA 18:4)

I. Katedra patologii i embriologii (zav. - chlen-korespondent
SM SSSR prof. S.J.Schelkunov) Vojennoe-meditsinskoy akademii
Lenina akademii imeni Kirova.

SHCHELKUNOV, S.I.

Morphology of the interphase nucleus. Arkh. anat., gist.
i embr. 47 no.7:6-21 Jl ' 64.

1. Kafedra gistologii (nachalnik- chlen-korrespondent AMN
SSSR, prof. S.I. Shchelkunov) Voyenno-meditsinskoy ordena
Lenina akademii imeni Kirova, Leningrad. Submitted June 27,
1963.

SCHUTTHOVY, V. A.

"An Integral Equation in Riemann-Stieltjes Integrals," *J. Math. Anal.*, 19, No. 2, 1949. libr.,
Central Asia State Univ., Tashkent, -c1949--.

SHCHELKUNOV, V.A.

One application of Gunter's integral equations. Trudy SAGU 17:
73-77 '50. (MLRA 9:5)
(Integral equations)

SHCHELKUNOV, V.A.

Application of Giunter's integral equations with a symmetric kernel.
Trudy SAGU no.36:101-107 '53. (MLRA 10:3)
(Integral equations)

SHCHELKUNOV, V.A.

Nonlinear integral equations in the Stieltjes' integrals. Trudy SAGU
no.54:69-74 '54. (MIRA 10:3)
(Integral equations)

BUKHARINOV, V.G., et al.

An attempt for the possibility of self-creep of creep in
the theory of aging. Sverkonestr, no. 2(12)-122 '65.
(MIRA 18:12)

1. Dneprokskiy Azobenergo-stroytehnicheskiy institut i Novokaknov-
skiy obshchetechnicheskiy fakul'tet.

SCHCHELKUNOV, V.G., inzh.

Stressed state of arched elements taking into account
protracted processes. Stroi.konstr. no.1:97-109 '65.
(MIRA 19:1)

1. Novokakhovskiy obshchetechnicheskiy fakul'tet Odesskogo
inzhenerno-stroitel'nogo instituta.

SHCHELKUNOV, V.I.

In search of new ways. Ugol' Ukr. 7 no.11:6-9 N '63.
(MIRA 17:4)
1. Glavnyy inzh. tresta Antratsit.

SHCHELKUNOV, V.S.

All-Union symposium on the use of muscle relaxants. Vest. Khir.
91 no.10:135-138 O '63. (MIRA 17:7)

SHCHELKUNOV, V. V.

20733. Shchelkunov, V. V., Krivonogov, N. I. i Skripov, N. I. O tipe ekipazha lokomotiva dlya dekovil'nykh Dorog. Sbornik nauch. -issled. Rabot (Arkhang. lesotekhn. in-T im Kuybysheva), XII, 1949, s. 5-31. —Bibliogr. 8nazv.

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949.

СИЧАЛКИН, В. И.

26958 Сиchalkin, V. I. i Skrynnik, N. I. o Segregacii dvizheniya po vlastnoj
sc tava ukrain. gosudarstv. chisl. mykh drev. Chernik nauch.-issled. nauch. (Ukr.-An.).
lesotekhn. in-t (m. Kuybyshev), 1949, s. 50-51. --citiruj: s nazv.

SC: LITERATURA NAUKOVY - Vol. 24, 1949

YERPIFANOV, Boris Yefimovich, dotsent; IONOV, Boris Dmitriyevich, dotsent;
KORUNOV, M.M., prof., retsenzent; SHCHELKUNOV, V.V., dotsent,
retsenzent; SHCHENNIKOV, P.N., dotsent, retsenzent; SMIRNOV,
A.I., dotsent, red.; PITERNAN, Ye.L., red.izd=va; VDOVINA, V.M.,
tekhn.red.

[Road-building machinery in the forest industries and principles
of road building] Dorozhno-stroitel'nye mashiny v lesnoi pro-
myshlennosti i osnovy doroshnogo dela. Moskva, Goslesbumizdat,
1961. 376 p.
(MIRA 14:12)

1. Ural'skiy lesotekhnicheskiy institut (for Korunov). 2. Arkhangelskiy lesotekhnicheskiy institut (for Shchelkunov).
(Road machinery) (Wood-using industries)

KALININ, G.A., inzh.; SHCHELKUNOV, V.V., kand.tekhn.nauk

Determining the stresses experienced by the stock rail and switch
point. Vest.TSNII MPS 21 no.4:34-37 '62. (MIRA 15:6)

1. Arkhangel'skiy lesotekhnicheskiy institut.
(Railroads--Rails) (Strains and stresses)

BLINOV, O.S.; PELEN'KIY, Ye.L.; BRAUSEVICH, S.T.; DOROKHOV, B.A.;
ZIGMUND, F.R.; ITSIKOV, G.B.; LEVER, A.A.;
LESHCH-BORISCVSKIY, A.I.; MURTUZALIYEV, S.A.; PIIR, A.I.;
YUZIKHIN, Ye.Ye.; YAKIMOV, I.D.; SHCHELKUNOV, V.V.,
retsenzent; GONCHAROV, A.F., otv. red.; KORCHUNCV, N.G.,
otv. red.; NIKOL'SKIY, B.V., otv. red.; POSTREMOV, G.A.
[deceased]; SLUTSKER, M.Z., red. izd-va; SHIBKOVA, R.Ye.,
tekhn. red.

[Lumbering; land transportation of timber] Lesozagotovki;
sukhoputnyi transport lesa. Spravochnik. Moskva, Gosles-
bumizdat, 1962. 504 p. (MIRA 16:7)
(Lumber—Transportation)

SHCHELKUNOV, Valentin Vasil'yevich; SKHIFOV, Nikolay Ivanovich;
SMIRNOV, A.I., red.

[Effectiveness of the use of various types of logging roads]
Effektivnost' primeneniia razlichnykh tipov lesovoznykh do-
rog. Moskva, Goslesbumizdat, 1963. 110 p. (MIRA 17:4)

POPOV, Dmitriy Aleksandrovich prof. [deceased]; KORCHUNOV, Nikolay Grigor'yevich prof.; KUKLINOV, Boris Alekseyevich, dots.; MENSHTIKIN, Yakov Grigor'yevich, dots.; KUVALDIN, Boris Ivanovich, dots.; ALYSHEV, Ivan Fedorovich, dots.; SHCHELKUNOV, Valentin Vasil'yevich, dots.; NIKOL'SKIY, Boris Vasil'yevich, dots.; KORUNOV, M.M., prof., retsentent; DOROKHOV, B.A., red.

[Land transportation of lumber] Sukhoputnyi transport lesa. [By] D.A.Popov i dr. Moskva, Goslesbumizdat, 1963. 863 p.

(MIRA 17:5)

KIVANOV, V. I. (Vladimir V. Kivanov);
KOLCHAGOV, V. G. (Viktor Kolchagov);
LUDIN, N. I. (Natalia Ludin);
MIL'KOV, V. V. (Viktor Mil'kov);
SOKOLOV, V. V. (Viktor Sokolov);
TROFIMOV, V. V. (Viktor Trofimov);
YAKOVLEV, V. V. (Viktor Yakovlev);
YEREMEYEV, V. V. (Viktor Yeremeyev);
YUZHANOV, V. V. (Viktor Yuzhanov)

1. Line, name of (beginning with) Podvizhnoi district, Leningrad
oblast, Russia. [Private property information, etc.]
(MIRA SN, 1)

SHCHELKUNOV, Ye. L., Candidate of Biol Sci (diss) -- "The interaction of the motor reflexes with various analysors in man". Leningrad, 1959. 22 pp (Leningrad Order of Lenin State U im A. A. Zhdanov), 150 copies (KL, No 22, 1959, 113)

SHCHELKUNOV, YE. L.

"Comparative Studies Concerned with the Central Effects of
Tofranil and Chloracizin (Motivation of the Trials with Chloracizin
as an antidepressant)"

paper presented at the Second Hungarian Conference of Therapy
and Pharmacological research, Budapest, Hungary, 2-7 Oct 62

Bechterew Psychoneurological Inst., Psychopharmacological
Laboratory, Leningrad.

...SHCHELKUNOV, Ye.L.

Action of aminazine, chloracizine, phenamine and their combinations
on food and defense conditioned reflexes in rats in a labyrinth.
Zhur.vys.nerv.deiat. 12 no.1:173-180 Ja-F '62. (MIRA 15:12)

1. Laboratory of Pharmacology, Bechtereov Psychoneurological
Institute and Laboratory of Pharmakology, Sechenov Institute of
Evolutionary Physiology, U.S.S.R. Academy of Sciences, Leningrad.
(CONDITIONED RESPONSE) (CHLORPROMAZINE)
(PHENAMINE) (PHENOTHIAZINE)

39200

S/246/62/062/002/003/006

I015/I215

AUTHOR Lapin, I. P., Khaunina, R. A. and Shchelkunov, Ye. L.

TITLE: The adrenalin, noradrenalin and phenamin effects influenced by tofranil

PERIODICAL Zhurnal nevropatologii i psichiatrii imeni S. S. Korsakova, v. 62, no. 2, 1962, 183-189

TEXT: The present study deals with the effect of tofranil on the central and peripheral adrenergic processes as well as on the central effect of phenamin (benzedrin). The experiments were carried out on cats and rabbits. The methods and techniques are described. In addition, the effect of tofranil on the group toxicity of phenamin was examined on albino male mice. It was found that the sensitizing effect of tofranil to adrenalin and noradrenalin was not present in rabbits; therefore it was deduced to be an effect specific to certain species. Nor was this effect found in cases where the cocaine effect had been successfully applied several times. As far as the central effect of tofranil is concerned, it increased the motor excitatory effect of phenamin. The authors conclude that this fact indicates the adrenergic mechanism of the central effect of tofranil in addition to its central analeptic effect. It was also found that tofranil and phenamin act synergistically. The different effect of small and large doses of tofranil on group toxicity of phenamin was assumed to indicate that the dual (positive and negative) effect of tofranil on adrenergic structures at the periphery was carried out also through the adrenergic synapses of the brain.

Card 1/2

The adrenalin, noradrenalin...

S-246-62/062-002/003/006
I015/I215

ASSOCIATION: Laboratoriya psikhofarmakologii (Nauchnyy rukovoditel' I. P. Lapin) Nauchno-issledovatel'skogo psikhonevrologicheskogo instituta imeni V. M. Bekhtereva, Leningrad. (Laboratory of Psychopharmacology—scientific director I. P. Lapin. Psychoneurologic Research Institute imeni V. M. Bekhterev, Leningrad)

SUBMITTED July 1, 1961

Card 2/2

SHCHELKUNOV, Ye. L....

Trofanil and chlorpromazine potentiation of the reserpine effect of phenamine in experiments with conditioned reflexes in rats (On a pharmacological analysis of the antidepressive effects of chlorpromazine and tofranil). Activ. nerv. sup. 5 no.1:4-12 Ja '63.

1. Laboratoriya psikhofarmakologii, Psikhonevirologicheskiy institut im. V.M. Bekhtereva, Leningrad.
(IMIPRAMINE) (AMPHETAMINE) (RESERPINE)
(REFLEX CONDITIONED) (ANTIDEPRESSIVE AGENTS)
(PHENOTHIAZINES)

SHCHELKUNOV, Ye.L.

Statistical evaluation of the authenticity of the individual
effects of medicinal and other factors. Farmakol. toksik. 26
no.3:370-374 My-Je'63 (MIRA 17:2)

1. Laboratoriya psikhofarmakologii (zav. - I.P.Lapin) Psikho-
nevrologicheskogo instituta imeni V.M.Bekhtereva, Leningrad.

SHECHLKUNOV, Ye.I.

Pharmacological principles of the action of a Soviet preparation
chloracizin as an antiepileptic. Zhur. nev. i psich. 63 No.
9:1415-1419 '63. (MINA 17:2)

1. Laboratoriya psiktofarmazologii Akad. Nauk Litovsko-
Laveledzovskogo psich-neurologicheskogo in-ta imeni
Bekhtereva, Leningrad.

LEVCHENKO, A.V., inzh.; GRESTOGLAIOV, V.N., inzh.; SHCHELKUNOV, A.M.

Standard water drainage equipment ir. Krivoy Rog Basin mines.
Shakht. stroi. 9 no.3:17-19 Mr '65. (MIRA 18:7)

1. Trest po proyektirovaniyu zhelezorudnykh predpriyatiy
Krivorozhskogo basseyna "Kriybassproyekt."

137-58-5-11136

Shchelkunova, A.N.

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 319 (USSR)

AUTHORS: Dymov, A.M., Shchelkunova, A.N.

TITLE: The Employment of the Colorimetric Method in the Analysis of
Iron Alloys (Kolorimetricheskiy metod v primeneni k analizu
zheleznykh splavov)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii Ukr resp
pravl, 1956. Vol 4 pp 32-37 Comments, p 38

ABSTRACT: The method, developed for the determination of small amounts
of Mg in cast iron, is based on the formation of Mg hydroxy-
quinolate followed by colorimetric analysis. A weighed portion
of cast iron is dissolved in 50 cc of HCl (1:1). After oxidizing
the solution with 2-3 cc of HNO₃ (specific gravity of 1.4) and
evaporating it to dryness, HCl is added, and the resulting solu-
tion is boiled. After filtering out the precipitate, the filtrate is
evaporated to dryness and the dry residue is treated with HCl
the basic amount of Fe is extracted with the aid of amylacetate.
In order to remove the Fe entirely, 10 cc of 3% H₂O₂ are added
together with an excess of a 25% solution of NH₄OH; the solution
is heated for 15-20 minutes in a bath and is then filtered out. The

Card 1/2

137-58-5-11136

The Employment of the Colorimetric Method in the Analysis of Iron Alloys

combined filtrates are evaporated to dryness and heated in order to remove the ammonium salts. After treating the dry residue with H_2O , to which 3 drops of 2-N H_2SO_4 have been added, the MnO_2 which has separated out is filtered off. The Mg in the filtrate is precipitated by the action of a 2% alcohol solution of hydroxyquinoline in the presence of NaOH and sodium tartrate. The residue is dissolved in 0.1-N CH_3COOH and is analyzed colorimetrically. Another approach is also recommended. the solution, freed of Fe and other elements, is diluted to 100 cc; bromthymol blue is added and the solution is neutralized with a 2-N NH_4OH solution; Mg and Fe are then precipitated with the aid of a 2% alcohol solution of hydroxyquinoline. The Mg hydroxyquinonate of the filtrate is precipitated in an alkaline medium in the presence of tartrate. The precipitate is dissolved in 0.1-N solution of CH_3COOH and the Mg is analyzed colorimetrically. The relative error amounts to 1.5-3.5%. See also RzhMet. 1957, Nr 7, abstract 13656.

1. Iron alloys--Analysis 2. Colorimetry--Applications

Yu. B.

Card 2/2

DYMOV, A.M., professor, doktor khimicheskikh nauk; SHCHELKUNOVA, A.N.,
assistant.

Colorimetric method for the analysis of iron alloys. Sbor. Inst.
stali no.35:417-432 '56. (MLRA 10:8)

1. Kafedra analiticheskoy khimii.
(Iron alloys--Analysis) (Colorimetry)

PROKOPENKO, L.I., kandidat meditsinskikh nauk (Moskva); MERINOV, V.A.
(Molotov); SHCHELKUNOVA, F.N. (Moskva)

Prevention of parasitic diseases in districts of virgin and idle
lands. Fel'd. i akush. 21 no.5:14-18 My '56. (MIRA 9:8)
(COMMUNICABLE DISEASES). (PARASITOLOGY)

FASTOVSKAYA, E.I.; LYSENKO, A.Ya.; SHCHELKUNOVA, F.N.

Investigations of methods of radical chemoprophylaxis and of complete cure of tertian malaria with short and long incubation periods.
Report no.7: Results of using quinocide in the treatment of tertian malaria with various possibilities of reinfection. Med.paraz. i paraz. bol. 25 no.3:222-226 Jl-S '56. (MLRA 9:10)

1. Iz^otdeleniya epidemiologii malyarii i organizatsii bor'by s malyariey i drugimi parazitarnymi zabolevaniyami Instituta malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir. inst. prof. P.G.Sergiyev, zav. otdelom - dotsent M.G.Rashina)

(ANTIMALARIAIS, therapeutic use,
quinocide in tertian malaria (Rus))

SHMELEVA, V.A.; ZOBOV, Ye.V.; SHCHELKUNOVA, M.S.; Prinimala uchastiye:
MEL'NIKOVA, S.N.

Using the electrophoresis method for determining the washing
away of epoxy resin hardeners from the protective coatings
of wine vessels. Lakokras.mat.i ikh prim. no.5:50-52 '62.
(MIRA 16:1)
(Wine--Analysis) (Electrophoresis) (Protective coatings)

ZOBOV, Ye. V.; SHCHELKUNOVA, M. S.; Prinimala uchastiye: BABANOVA,
Zh. I., laborant

Use of stilbazole in the photocolorimetric determining of
aluminum in wine and juices. Trudy MNIIPP 1:137-140 '61.
(MIRA 16:1)

(Aluminum—Analysis) (Grape juice)
(Wine)

SHMELEVA, V.A.; SHCHELKUNOVA, M.S.; ZOBOV, Ye.V.

Aluminum in the wines of Moldavia. Trudy MIIPP 2:37-42 '62.
(MI:A 1614)

(Moldavia--Wine and wine making) (Aluminum)

SHMELEVA, V.A.; SHCHELKUNOVA, M.S.; ZOBOV, Ye.V.

Aluminum in the wine's of Moldavia. Trudy MNIIIPP 2:37-42 '62.
(MIRA 16:4)

(Moldavia—Wine and wine making) (Aluminum)

TELEPNEVA, A.Ye.; AVERBUKH, T.D.; BLINOVA, N.P.; MATUSEVICH, V.S.;
SHCHELKUNOVA, N.V.; BASHKIROVA, Ye.M.

Processing of waste thiosulfate liquors produced in the removal
of hydrogen sulfide from gases. Koks i khim. no.12:40-44 '60.
(MIRA 13:12)
1. Ural'skiy nauchno-issledovatel'skiy khimicheskiy institut (for
Bashkirova).
(Sewage—Purification) (Sodium thiosulfate)

SHCHELKUNOVA, O. V., CAND CHEM SCI, "A STUDY OF CONVERSIONS
OF PRIMARY AND TERTIARY γ -GLYCOLS ^{into} OXYHETEROCYCLES." LE-
NINGRAD, 1961. (MIN OF HIGHER AND SEC SPEC ED RSFSR. LENIN-
GRAD ORDER OF LABOR RED BANNER TECHNOL INST IMENI LENSOVET).
(KL-DV, 11-61, 211).

-52-

ROSTOVSKIY, Ye.N.; SHCHELKUNOVA, O.V.; BONDAREVA, N.S.

Reactions of polyvinylchloracetate with some amines. Vysokom.
soed. 3 no.7:971-975 Jl '61. (MIRA 14:6)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Acetic acid) (Amines)

L 34117-65 EWT(m)/EPF(c)/EPR/EWP(j)/T - PC-4/PR-4/PS-4 RPL WH/GS/RM
ACCESSION NR: AT4049854 S/0000/64/000/000/0151/0155

AUTHOR: Rostovskiy, Ye. N.; Shchelkunova, O. V.; Bondareva, N. S.

TITLE: Arbuzov rearrangement of triethylphosphite during its reaction with chlorine-containing polymers

SOURCE: Khimicheskiye svoystva i modifikatsiya polimerov (Chemical properties and the modification of polymers); sbornik statey. Moscow, Izd-vo Nauka, 1964, 151-155

TOPIC TAGS: Arbuzov rearrangement, triethylphosphite, chlorinated polymer, polyvinylchloroacetate, polyvinylchloride, acrylic acid chloroanhydride, methacrylic acid, polymethylchloroacrylate

ABSTRACT: Linear, phosphorus-containing polymers were obtained by the reaction of triethylphosphite with chlorine-containing polymers, such as polyvinylchloroacetate, polyvinylchloride, the polymer of the chloroanhydride or methacrylic acid, and polymethyl- α -chloroacrylate. The reaction schemes are given. Depending on time (50, 75, 100 hrs) and temperature (100, 120, 150°C), polymers or copolymers with different phosphorus contents were obtained. The

Card 1/2

L 34117-65
ACCESSION NR: AT4049854

2

experimental data are tabulated. It was found that if the chlorine atom in the polymer was directly bound to the carbon of the main macromolecular chain, its reactivity in the Arbuzov rearrangement with triethylphosphite decreased considerably. This result agrees with the data available, according to which secondary alkylhalides do not initiate Arbuzov rearrangements, and is obviously explained by the low mobility of the Cl atom in polyvinylchloride. During the reaction of polyvinylchloride in dioxane, no isomerization of phosphite was found. The reaction of triethylphosphite with polyvinylchloroacetate and polymeric chloroanhydrides of acrylic and methacrylic acid gave linear polymeric derivatives of alkylphosphinic acid or their copolymers with the initial chloride (not previously described in the literature) with high degrees of conversion, 92-95%. The properties of these phosphorus-containing polymers were studied in detail. The conditions of preparation and polymerization of the various compounds are described in detail. Orig. art. has: 1 table and 3 formulas.

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Macromolecular compounds institute, AN SSSR)

SUBMITTED: 08Oct62

ENCL: 00

SUB CODE: OC

NO REF SOV: 006

OTHER: 011

Card 2/2

L 41164-65 EWT(m)/EPF(c)/EWA(d)/EWP(j)/T/EWP(t)/EWP(b) ... Po-4/Pr-4
ACCESSION NR: AP5007167 JD/WB/RM S/0286/65/000/003/0038/0038

AUTHOR: Zobov, Ye. V.; Rud', G. Ya.; Shechelkunova, M. S.; Dyul'ger, T. B.

TITLE: A method for protection of metal and concrete surfaces. Class 22, No.
167924 16

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 3, 1965, 38

TOPIC TAGS: resin/ ED-5 resin, ED-6 resin

ABSTRACT: This Author's Certificate introduces a method for protecting metal and concrete surfaces by the application of a primer based on ED-5 resin, a hardener and filler followed by the application of a finish coat based on ED-6 resin with a hardener and filler. The coating surface is then toughened by heating to 140°C. In order to prevent extraction of the hardener from the lacquer surface by nutritive atmospheres [sic], a three-step process is used in hardening: first 20°C for 12 hours, then 60°C for 3 hours and finally 140°C for 3 hours.

ASSOCIATION: none

Card 1/2

SUBMITTED: 27 Nov 61

LOYTSYANSKAYA, M.S.; SHCHELKUNOVA, S.A.

Effect of phosphorus on the multiplication and oxidizing activity
of *Bacillus Schuzenbachii* in alcohol and glucose oxidation. Uch.
zap. Len. un. no. 216:98-103 '56. (MLRA 10:3)
(ACETOBACTER) (PHOSPHORUS) (OXIDATION)

SHCHELKUNOVA, S.A.

Development of Acetobacter suboxydans and Acetobacter melano-
genum in media containing ethyl alcohol. Mikrobiologii 31
no. 3:507-514 My-Je '62. (MIRA 15:12)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.
(ACETOBACTER) (ETHYL ALCOHOL)

SHCHELKUNOVA, S.A.

Effect of phosphates on the reproduction and sorbitol oxidation
of acetic acid bacteria. Mikrobiologiya 32 no.3:529-535
My-Je'63 (MIRA 17:3)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.

DOLGO-SOBUROV, B.A., professor, redaktor; GERBIL'SKIY, N.L., redaktor;
GRIGOR'YEVA, T.A., redaktor; YELISEYEV, V.G., redaktor; ZHDANOV,
D.A., redaktor; KNOPPE, A.G., redaktor KUPRIYANOV, V.V., redaktor;
MIKHAYLOV, V.P., redaktor; PRIVESA, M.G., redaktor; STUDITSKIY, A.N.,
redaktor; SHCHELKUNOVA, S.I., redaktor; KHARASH, G.A., tekhnicheskiy
redaktor

[Problems in the morphology of the nervous system] Problemy morfologii
nervnoi sistemy [Leningrad] Gos. izd-vo med. lit-ry, Leningradskoe
otd-nie, 1956. 179 p.
(MIRA 10:2)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Dolgo-Soburov)
(NERVOUS SYSTEM)

GUSEV, A.S. (Leningrad, Sotsialisticheskaya ul., 8, kv.7); SHCHELKUNOVA,
T.N. (Leningrad, ul. prof. Popova, 41/5, kv.63)

G.V. Shor's method for the preparation of some anatomical preparations for teaching purposes. Arkh.anat.gist.i embr. 37 no.11:
109-113 N '59. (MIRA 13:4)

1. Kafedra normal'noy anatomi (nachal'nik - chlen-korrespondent
prof. B.A. Dolgo-Saburov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.
(ANATOMY)

SHCHELMANOV, N.V.

Making burrs for the construction of grinders. Bum.prom. 32
no.3:21 Mr '57. (MLRA 10:4)

1. Starshiy master mekhanicheskogo tschka Balakhninskogo tsellyulozno-bumazhnogo kombinata.
(Grinding machines)

SHCHELMANOV, N.V., starshiy master

New design for the chisels of pneumatic hammers. Bum. prot. 36
no. 7:21 Jl '71. (MIR 14:9)

1. Balakhninskiy kombinat.
(Pneumatic tools)

S/020/60/132/01/18/064

16.4600

AUTHOR: Shchel'nov, V.A.

V

TITLE: Many-valued Linear Operators in a Locally Convex Space

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 1, pp 75-77

TEXT: Let X and Y be locally convex spaces. Every set of the product (X, Y) can be understood as a diagram Γ_A of a certain operator A with the region of definition $D_A \subset X$ and the range of values $R_A \subset Y$. A is called linear if Γ_A is a linear set. A linear operator A is called open if transfers every zero neighborhood in D_A into a zero neighborhood of R_A . Let the closure \bar{A} of A be defined as an operator the diagram of which is the closure of the diagram of A . If M is a vector space in X , X^* is the space conjugated to X , then M^0 denotes a vector space in X^* which is orthogonal to M . In five long theorems the author formulates several properties of the considered operators, e.g.:

Theorem 4 : Let X be a Frechet-space ; let M and N be vector subspaces in X ; M_1 and N_1 - vector subspaces in X^* .

10. If $M + N$ is closed, then $M^0 + N^0$ is weakly closed ;

Card 1/2

V

Many-valued Linear Operators in a Locally
Convex Space

S/020/60/132/01/18/064

2^o. If $M_1 + N_1$ is weakly closed, then $M_1^0 + N_1^0$ is closed ;

3^o. If X is a Banach space, then the sum $M^0 + N^0$ is weakly closed then and
only then if it is strongly closed.

There is 1 non-Soviet reference.

PRESENTED: December 28, 1959, by V.I. Smirnov, Academician

SUBMITTED: December 1, 1959



Card 2/2

PTASHOK, S.; ZATOKOVENKO, V.; SHCHELOCHEK, A.

Carrying out measures for the improvement of sanitation in
medical institutions. Zdravookhranenie 3 no.2:62-64 Mr-Ap
'60. (MIRA 13:7)

1. Glavnnyy vrach Floreshtskogo rayona (for Ptashok). 2. Zam-
stitel' glavnogo vracha po sanitarno-epidemiologicheskoy chasti
(for Zatokovenko).
(FLORESHTY--MEDICAL CENTERS--SANITATION)

SHCHERLOCHKOVA, S.P.; MAKARTSEVA, T.V.; GARSHIN, Ye.A.; MOISEYEEVA, Ye.I.;
BLAGODAROVA, T.N.; MAKAROVA, L.I.; MEL'NIKOVA, R.M.; REVIZOVA, V.Ye.;
YUSHKEVICH, G.I.; YEVPRYMTSEVA, Z.A.; GALYAMOVA, M.F.; DROGOVA, L.M.;
SALIKOVA, V.N.; KOJNOV, F.Ya., red.; ANTONOV, V.P., tekhn.red.

[Economy of the province and city of Kuybyshev; a statistical
manual] Narodnoe khoziaistvo Kuibyshevskoi oblasti i goroda Kuibysheva;
statisticheskii sbornik. Kuibyshev, Kuibyshevskoe otd-nie Gosstat-
izdata, 1957. 197 p. (MIRA 11:3)

1. Kuybyshevskaya oblast'. Statisticheskoye upravleniye. 2. Statisti-
cheskoye upravleniye Kuybyshevskoy oblasti (for all, except Kojnov,
Antonov)

(Kuybyshev Province--Statistics)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548810018-5

SHCHELOKOV, A.

A great life of work. Avt. transp. 41 no.12:6-7 D '63.
(MIRA 17:1)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548810018-5"

BRASLAVSKIY, M.; SHCHELOKOV, A.; BLATNOV, M.; STROGANOVA, V.; BABKOV,
Ye.

Information. Avt. transp. 42 no. 5:55-58 My '64. (MIRA 17:5)

1. Glavnnyy inzh. TSentral'nogo konstruktorskogo byuro Ministerstva
avtomobil'nogo transporta i shosseynykh dorog RSFSR (for Babkov).

SOV/112-58-2-1873

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1958, Nr 2, p 12 (USSR)

AUTHOR: Shchelokov, A. D.

TITLE: On the Problem of X-ray Influence on Electric Conductance
(*Na*-chlorid vysokochistyy i tshey na elektroprovodnost')

JOURNAL: Vsesoyuznoye politekhn. issled., 1958, Vol 91, pp 391-398

ABSTRACT: Electric conductance of natural NaCl single crystals has been studied under the influence of x-rays of various intensities and at various temperatures. In unirradiated specimens, the electric conductance is due to ions, and the effect of temperature on conductance obeys an exponential law. Under irradiation conditions, an electronic component of conductance is added, this component being larger with lower temperature and higher intensity of irradiation. As the total current grows very quickly with temperature increase, while the electric current grows slowly, no effect of x-ray on electric conductance of a NaCl crystal has been observed at high temperatures. Bibliography: 18 items.

TRANSLATED BY K. A. YE. (Tomsk Polytechnic Institute), Tomsk.

K.A. Ye.

Grid 1, 1

SHCHELOKOV, A.D.

X-ray absorption in crystals of alkali metal halides. Izv. TPI
95:296-301 '58. (MIRA 14:9)

1. Predstavleno professorom doktorom A.A.Vorob'yevym.
(X-ray absorption) (Alkali metal halide crystals)

SHCHELOKOV, A.D.

X-ray absorption in solid solutions of alkali metal halides. Izv.
TPI 95:302-305 '58. (MIRA 14:9)

1. Predstavleno professorom doktorom A.A.Vorob'yevym.
(X-ray absorption) (Alkali metal halides) (Solution, Solid)

SHCHELOKOV, A.D.

Photo-emf generated in the electromagnetic irradiation of an
insulated metallic body. Part 1. Izv.vys.uch.zav.; iiz.
no.4:33-40 '62. (MIRA 15:9)

1. Tomskiy politekhnicheskiy institut imeni S.M. Kirova.
(Photoelectricity)

SHCHELOKOV, A.D.

~~_____~~
Equations for photoelectric devices. Part 3. Izv.vys.ucheb.zav.;
fiz.no.2:53-60 '63.

(MIRA 16:5)

1. Tomskiy politekhnicheskiy institut imeni SM.Kirova.
(Electronic apparatus and appliances)
(Equations)

SHCHELOKOV, A.I., mladshiy nauchnyy sotrudnik

Interception layer in the lower atmosphere over Mirnyy
(according to 1961 data). Inform. biul. Sov. antark. eksp.
no.35:26-27 '62. (MIRA 16:11)

1. Shestaya kontinental'naya ekspeditsiya.

POGODIN-ALEKSEYEV, G.I.; SHCHELOKOV, K.F.

Forming cast metal-oxide compositions with the help of ultrasonic waves. Lit. proizv. no.8:26-27 Ag '63. (MIRA 16:10)

SHCHELOKOV, I., inzh.-podpolkovnik

What innovators and inventors should know. Voen.-inzh.zhur. 96 no.9:
38-41 S '52. (MIRA 12:3)
(Inventions)

SHCHINLOKOV, M. (Ul'yanovsk).

With a certificate from the Ul'yanovsk Aviation School, Grazhd. av.
no. 4:3-5 Ap'57. (MLRA 10:6)
(Ul'ianovsk--Aeronautics--Study and teaching)

СЮРПИНОВ, Н.

27112

Zvezdy konfess. (O znatnykh tsakhterakh ocherk). Ogonek, 1949, No 35, c 15-16

6. Metallurgiya. Metallovedeniye
A. Obshchie Voprosy

SC: LETOPIS' No. 34

SHCHELOKOV, M.

Shchelokov, M. - "The large locomotive", (The Locomotive-Building Plant imeni Kuybyshev, outline, Ural, Uronek, 1949, No. 17, p. .).

SS: U-4110, 17 July 53, (Letopis' Zhurnal 'nykh Statey, No. 19, 1953).

SHCHELOKOV, Mikh.

Store of communist labor. Sov. torg. 33 no. 4:26-29 Ap '60.
(MIRA 14:5)
(Moscow--Vegetable trade) (Moscow--Fruit trade)

30(1)

PHASE I BOOK EXPLOITATION

SOV/202

Shchelokov, N.

Promyshlennost' Moldavskoy SSR (Industry of the Moldavian SSR) Kishinev, Gos. izd-vo Moldavii, 1957. 113 p. 3,000 copies printed.

Eds.: V. Gal'perin, and B. Litvak; Tech. Ed.: V. Kapitsa

PURPOSE: This booklet is intended for the general reader interested in the industrial growth of the Moldavian SSR.

COVERAGE: This book is divided into 14 sections each dealing with a different branch of industry in the Moldavian SSR. The author describes the development and growth of industry in this area especially from 1940 to 1956. Special emphasis is placed on light industry and the food industry. There are no personalities mentioned. No references are given.

TABLE OF CONTENTS:

Introduction

3

Card 1/3

SHCHELOKOV, Nikolay Anisimovich

[Moldavian S.S.R.; an account of the seven-year plan] Moldavskaya
SSR; rasskaz o semiletke. Moskva, Trudrezervizdat, 1959. 94 p.
(MIRA 13:4)
(Moldavia--Economic policy)

SHCHELOKOV, N.A.; GAL'PERIN, V., red.; SHEKHTER, D., tekhn.red.

[Industry of the Moldavian S.S.R.] Promyshlennost' Moldavskoi
SSR. Kishinev, Gos.izd-vo "Kartia moldoveniaske," 1960. 117 p.
(MIRA 13:?)
(Moldavia--Industries)

SHCHELOKOV, N.A.

Development of electrical equipment industry in Moldavia. Vest.
elektroprom. 33 no.3:1-3 Mr '62. (MIRA 15:3)

1. Zamestitel' predsedatelya Soveta Ministrov Moldavskoy SSR.
(Moldavia--Electric equipment industry)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548810018-5

APPROVED FOR RELEASE: 03/14/2001

APPROVED FOR RELEASE: 03/14/2001

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548810018-5"

SHCHELOKOV, N. A. (Head Veterinary Doctor of the Przheval'sk District, Kirghiz SSR)

"Working experience of veterinary specialists of the Przheval'sk District"

Veterinariya, vol. 39, no. 8, August 1962 pp..17

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548810018-5

SHCHELOKOV, N.A.; MATVEYEV; SYURIN, V.N., prof.; ZHELANOV, I.I.

In the Soviet Union, Veterinaria 35 no.12:81-83 D '58.
(MIRA 11:12)
(Veterinary medicine)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548810018-5"

ELLERT, G.V.; SHCHELOKOV, R.N.

"The actinide elements." G.T. Seaborg, J.I. Katz, eds.
Reviewed by G.V. Ellert, R.N. Shchelokov. Zhur.neorg.khim.
1 no.7:1688-1693 Jl.'56. (MLRA 9:11)

(Actinide series)
(Seaborg, G.T.) (Katz, J.I.)

SHCHELOKOV, R.N.; ELLERT, G.V.

"Handbook of preparatory inorganic chemistry" (edited by G.Brauer;
translated from German by B.M.Berkengheim). Reviewed by R.N.
Shchelokov, G.V.Ellert. Zhur.neorg.khim. 2 no.7:1709-1710 J1 '57.
(MIRA 10:11)

(Chemistry, Inorganic) (Berkengheim, B.M.)

CHERNYAYEV, I.I.; GOLOVNYA, V.A.; SHCHELOKOV, R.N.

Dioxalateuranyl ammonium hydrates. Zhur. neorg.khim. 2 no.8:1763-
1767 Ag '57. (MIRA 11:3)

I. Institut obshchey i neorganicheskoy khimii im. N.S. Kurnakova
AN SSSR.

(Ammonium compounds) (Hydrates)

PAGE I BOOK EXPLANATION

SDV/SOB

International Conference on the Peaceful Uses of Atomic Energy. 2d, Geneva, 1955.
Bullday sverzachth uchazh. [Ed.] Instityu radioaktivnykh i radioaktivnykh
pravascheniy (Reports of Soviet Scientists). v. 3: Chemistry of Radio-
elements and Radiation Transformations) Moscow, Akademiya, 1959. 325 p.

6,000 copies printed. (Series: Tras. Trudy)
Ed. (Title page): A. P. Vinogradov, Academician; Ed.: V. I. Labazov; Tech. Ed.:
Ye. I. Mazel.

PURPOSE: This collection of articles is intended for scientists and engineers
interested in the applications of radioactive materials in science and
industry.

CONTENTS: The book contains 26 separate studies concerning various aspects of
the chemistry of certain radioactive elements and the processes of radiation
effect on matter. These reports discuss specifically methods of separating
irradiated nuclear fuel, research in the chemistry of mercury, thorium,
uranium, plutonium, and curium, problems related to the sorption and bury-
ing of radioactive wastes, the radiolysis of aqueous solutions and of
organic compounds, the mechanism of polymer chain scission, and the effect
of radiation on natural and synthetic rubbers. V. N. Prudakov edited the
present volume. Most of the reports are accompanied by references. Con-
tributors to individual investigations are mentioned in Appendices 10
the Table of Contents.

TABLE OF CONTENTS:

Vinogradov, A. P. Materials and the Earth's Crust (The Geochemistry of
Isotopes) (Report No. 232) 5

Shestopalov, V. S., B. G. Portskiy, and A. S. Solov'ev. Some Special
Problems in the Processing of Irradiated Steel-Producing Elements of the
First Atomic Electric Power Plant of the USSR (Report No. 212) 11

[The following personalities are mentioned as having taken part in
this investigation: M. M. Kaidanov, K. P. Lutsenko, Ye. V. Obratov, V.
Z. M. Sovetova, and V. V. Chubrikov.]

Morozova, V. M., and M. N. Kostyleva. Separation of Uranium and Pluto-
num from Fission Products by Extraction With a Mixture of Dimethyl Ether
and Carbon Tetrachloride (Report No. 2216) 14

Vorontsov, V. M. Distribution of Fission Elements in the Process
of the Fiber Extraction of Uranium and Plutonium (Report No. 2206) 41

Prudakov, V. N., N. P. Shmelev, and N. M. Troitskaya. Dry Method of Re-
processing Irradiated Uranium (Report No. 2231) 49

[The authors thank I. E. Khavin and A. G. Polozkin.]

Bogacheva, N. Ye., V. I. Lertov, G. V. Korshak, N. M. Mat'ko, N. K.
Bogacheva, L. T. Kostyuk, and G. V. Ptitsyn. Separation of Fission-
ation Radioactive Elements (Report No. 2259) 57

[The authors thank S. Z. Bogdanov, Corresponding Member AS USSR.]

Dubashnikov, D. I., M. M. Sinyavskiy, and Yu. S. Solov'ev. Separation of
Individual Rare Earth Elements (Report No. 2237) 75

Lobaty, B. P., and V. I. Berzonenko. Using Ion-exchange to Study the
State of Radioactive Substances in Solution (Report No. 2204) 69

Chernyshev, L. I., V. A. Golosova, G. V. Klyuchev, R. N. Sushchikov, and
V. P. Savchenko. Contribution to the Problem of the Structure of Complex
Compounds of Uranium (Report No. 2131) 91

[In the last part of this paper, Yo. N. Traszyay, L. K. Shubochkin,
T. V. Sharapova, and L. V. Teploina,]

Chernyshev, V. I., V. A. Golosova, and A. E. Molodkin. Complexes: Carbonyl
Compounds of Thorium (Report No. 2136) 125

[A. M. Rubashnikov is mentioned for his part in this study.]

SOV/78-4-5-46/46

21(1)
AUTHORS:

Ellert, G. V., Shchelokov, R. N. (Abstracters)

TITLE:

The Chemistry of the Actinide Elements, Josef I. Katz, Glehn T. Seaborg, London 1957 (Dzh. Kats, G. Siborg. Khimiya aktinidnykh elementov, London, 1957)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 5,
pp 1217-1221 (USSR)

ABSTRACT: This article is a criticism and short description of the book mentioned in the title, which is a revised edition of the book "Actinide Elements" published in 1954 and edited by the authors of the present work (translated into Russian in 1955). The technological part of the book was extended (compared to the earlier edition); it deals with the separation and purification of actinide elements, the authors basing upon the material obtained at the I. International Conference on the Peaceful Uses of Atomic Energy. A short summary is given of the contents of each chapter. The last chapter, which deals with trans-curie elements which are discussed individually, is also in the new edition dealt with in detail, and the elements Bk, Cf, E, Mv, and 102 (nobelium) are discussed. After discussion of the contents, it is further pointed out.

Card 1/2

The Chemistry of the Actinide Elements, Josef I. Katz, Glehn T. Seaborg,
London 1957

SOV/78-4-5-46/46

ed out that the last element (102) was obtained also in the Soviet Union by G. N. Flerov by the intense bombardment of Pu^{241} by fivefold-charged O^{16} -ions. In conclusion, the book is described as being of value not only for a systematical investigation of the chemistry and technology of actinide elements, but that it is also an excellent textbook for students wishing to devote special attention to the field of the chemistry of nuclear materials. A translation into the Russian language is recommended.

Card 2/2

USCOMM-DCs61,251

S/078/60/005/007/022/043/XX
B004/B060

AUTHORS: Chernyayev, I. I., Golovnya, V. A., Shchelokov, R. N.

TITLE: Aquo-oxalato Sulfate Compounds of Uranyl

PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 7,
pp. 1454 - 1466

TEXT: The main results of this study were submitted to the Second International UNO Conference on the Peaceful Use of Atomic Energy. The authors first point out the difficulties involved in the synthesis of mixed acid complexes of uranyl which account for the scarceness of data available. In the work concerned here the authors started by investigating the possibility of substituting addenda by others (for the purpose of finding the rules governing relationships), and obtained the following series: $\text{CO}_3^{2-} \cdot \text{F}^- \cdot \text{C}_2\text{O}_4^{2-} \cdot \text{SO}_4^{2-}$. On the basis of the result obtained, the mixed acid complexes were synthesized by addition reactions. The authors started from $\text{UO}_2\text{C}_2\text{O}_4 \cdot 3\text{H}_2\text{O}$ which was reacted with alkali sulfate, and obtained the oxalate-sulfate compounds of UO_2 . For comparison, pure

Card 1/4

Aquo-oxalato Sulfate Compounds of Uranyl

S/078/60/005/007/022/043/XX
B004/B060

oxalate complexes were synthesized from uranyl oxalate and alkali oxalate, and pure sulfate complexes from uranyl sulfate and alkali sulfate. The following compounds were obtained: 1) $K_2 UO_2(C_2O_4)(SO_4)(H_2O)_2 \cdot H_2O$. The thermogram of this compound allows two effects to be identified: separation of the three H_2O molecules at $70 - 125^\circ C$, and destruction of the oxalate groups at $305 - 320^\circ C$. At $150^\circ C$, this substance loses all three H_2O molecules, which, however, are again added on standing in the air; this was confirmed both gravimetrically and analytically (Table 2). 2) $K_2 UO_2(C_2O_4)_2(H_2O)_2 \cdot H_2O$. This compound loses all three water molecules at $110^\circ C$. Two H_2O molecules are added stepwise on standing in the air, but not the third one. 3) $K_2 UO_2(SO_4)_2(H_2O)_2$. In these three potassium compounds, a decrease in stability of the inner sphere of the complex ion was observed with an increase in molecular electrical conductivity.

Card 2/4

Aquo-oxalato Sulfate Compounds of Uranyl

S/078/60/005/007/022/043/XX
B004/B060

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N.S.Kurnakova
Akademii nauk SSSR (Institute of General and Inorganic
Chemistry imeni N. S. Kurnakov of the Academy of Sciences
USSR)

SUBMITTED: April 6, 1959

Card 4/4